| ı | Index | of Claim | S |
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| Appl | icat | ion/ | Con | trol | No. |
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10/673,337

Examiner

Greg Binda

Applicant(s)/Patent under Reexamination

NOSAKA ET AL.

Art Unit

3679

| <b>√</b> | Rejected |
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| 11       | Allowed  |

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|   | Interference |

| 4 | Appeal   |
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|              |                                              | L        | _        |                                                  |              |            |          | ı        |              |                                           |          |            |
|--------------|----------------------------------------------|----------|----------|--------------------------------------------------|--------------|------------|----------|----------|--------------|-------------------------------------------|----------|------------|
| Cla          | im                                           | Г        |          |                                                  |              | -          | Date     |          |              |                                           | -        | 1 [        |
| Cie          |                                              | ┝        | _        |                                                  |              |            | Jan      | -        | _            | _                                         |          | -          |
| <del>-</del> | Original                                     | ٥        | 3        |                                                  |              |            |          |          |              |                                           |          |            |
| Final        | ij                                           | 5/12/06  | 3        |                                                  |              |            |          |          |              |                                           |          |            |
| "            | ō                                            | ù        | 5        |                                                  |              |            |          |          |              |                                           |          |            |
|              | 1                                            | ١,       | ī        |                                                  |              |            |          |          | $\vdash$     | $\vdash$                                  |          | ▎├         |
| -            | 2                                            |          | <u>-</u> |                                                  |              |            |          |          |              |                                           |          | ▎├         |
|              | 3                                            | Ħ        | r        |                                                  |              |            |          | _        |              | _                                         |          |            |
|              | 1<br>2<br>3<br>4<br>5<br>6<br>7              | П        | Г        |                                                  |              |            |          |          |              | Г                                         | _        |            |
|              | 5                                            | Г        | Γ        |                                                  |              |            |          |          |              |                                           |          |            |
|              | 6                                            | `        | Γ        |                                                  |              |            |          |          |              |                                           |          |            |
|              | 7                                            |          |          |                                                  |              |            |          |          |              |                                           |          |            |
|              | 8                                            |          |          |                                                  |              |            |          |          |              |                                           |          | L          |
|              | 9                                            | L        |          |                                                  |              |            |          |          | <u> </u>     | _                                         | _        | l L        |
|              | 10                                           | L        | _        |                                                  |              |            |          |          |              |                                           |          | l ∟        |
|              | 11                                           | L        |          | _                                                | L_           |            | _        |          | <u> </u>     | ļ                                         |          | l ⊢        |
| <u> </u>     | 12                                           | L        |          |                                                  | <u> </u>     | <u> </u>   |          | <u> </u> | $\vdash$     | <u> </u>                                  |          | -          |
| $\vdash$     | 8<br>9<br>10<br>11<br>12<br>13<br>14<br>15   | $\vdash$ | _        | -                                                | -            | -          | -        | <u> </u> | $\vdash$     | <u> </u>                                  |          |            |
| <u> </u>     | 14                                           | -        | _        |                                                  | <u> </u> -   | <b> </b> - |          | <u> </u> |              | _                                         |          | <b>!</b>   |
| -            | 15                                           | ⊦        | _        |                                                  |              | -          | $\vdash$ |          | -            |                                           |          | -          |
|              | 17                                           | ┝        | -        | -                                                | ┢            |            | $\vdash$ | $\vdash$ | $\vdash$     | -                                         | -        | -          |
|              | 18                                           | ╁        |          |                                                  |              | $\vdash$   | $\vdash$ | $\vdash$ | -            |                                           | -        | ▎┝         |
|              | 19                                           | ┢        |          |                                                  |              | ┢          | -        |          |              | -                                         | _        | ▎┝         |
|              | 20                                           | H        | _        | <del>                                     </del> | <del> </del> | ╁          | $\vdash$ | $\vdash$ |              |                                           |          | ▎┝         |
|              | 21                                           | H        | _        | _                                                |              |            |          |          |              |                                           |          | l ⊢        |
|              | 22                                           | T        | _        |                                                  | <u> </u>     | _          | _        | _        |              |                                           |          | 1          |
|              | 17<br>18<br>19<br>20<br>21<br>22<br>23<br>24 | T        | _        |                                                  |              |            |          |          |              |                                           |          | 1          |
|              | 24                                           | T        |          |                                                  |              |            |          |          |              |                                           |          |            |
|              | 25<br>26<br>27                               | Г        |          |                                                  |              |            | Г        |          |              |                                           |          |            |
|              | 26                                           | Γ        |          |                                                  |              |            |          |          |              |                                           |          |            |
|              | 27                                           |          |          |                                                  |              |            |          |          |              |                                           |          |            |
|              | 28<br>29<br>30                               | L        |          |                                                  | L            |            | L        |          |              |                                           |          | l ∟        |
|              | 29                                           | L        |          |                                                  |              |            | <u> </u> | ļ        |              |                                           |          | l ∟        |
| ļ            | 30                                           | Ļ        | _        | _                                                | ļ            | _          |          | <u> </u> |              |                                           |          | l ⊢        |
|              | 31                                           | ┡        | _        |                                                  |              | <u> </u>   |          | <u> </u> |              |                                           | _        | l ⊢        |
|              | 32<br>33                                     | ⊬        | _        |                                                  | _            | H          | ┝        | ┝        | _            |                                           |          | <b> </b>   |
| $\vdash$     | 34                                           | ⊬        |          | $\vdash$                                         | <u> </u>     | ⊢          | -        | ├-       | <u> </u>     | <del> </del>                              | $\vdash$ | ▎├         |
|              | 34<br>35                                     | $\vdash$ | -        |                                                  | $\vdash$     | $\vdash$   | $\vdash$ | $\vdash$ |              | $\vdash$                                  |          | -          |
| <b> </b>     | 36                                           | t        | -        | $\vdash$                                         | $\vdash$     | $\vdash$   | $\vdash$ | $\vdash$ |              | $\vdash$                                  | Н        |            |
| <b>-</b>     | 36<br>37                                     | t        |          | T                                                | $\vdash$     | $\vdash$   | $\vdash$ | <u> </u> | <u> </u>     | <u> </u>                                  | Н        | -          |
|              | 38                                           | T        | _        |                                                  | <b>-</b>     | T          | <u> </u> |          |              |                                           |          | -          |
|              | 39                                           | Γ        | _        |                                                  |              |            |          |          |              |                                           |          |            |
|              | 40                                           | Γ        |          |                                                  |              |            |          |          |              |                                           |          |            |
|              | 41                                           |          |          |                                                  |              |            |          |          |              |                                           |          |            |
|              | 42                                           | Ĺ        |          |                                                  |              |            |          |          |              |                                           |          | [          |
|              | 43                                           | L        | _        | <u> </u>                                         | <u> </u>     |            |          |          | _            | $oxedsymbol{oxedsymbol{oxedsymbol{eta}}}$ | L        | Į L        |
| <u> </u>     | 44                                           | L        |          | <u> </u>                                         | <u> </u>     | <u> </u>   | _        | $\vdash$ | <u> </u>     | <u> </u>                                  | <u> </u> | L          |
| <u> </u>     | 45                                           | L        |          | <u> </u>                                         | <u> </u>     | <u> </u>   | <u> </u> | <u> </u> | <u> </u>     | <u> </u>                                  | <u> </u> | -          |
| <u> </u>     | 46                                           | -        |          | <del> </del>                                     | -            | -          | <u> </u> | -        | <del> </del> | ⊢                                         | <u> </u> | <b>∤</b> ├ |
|              | 47                                           | $\vdash$ |          | $\vdash$                                         | -            | $\vdash$   | -        | $\vdash$ | -            | -                                         | <u> </u> | <b>!</b>   |
|              | 48                                           | ┞        |          | <u> </u>                                         | ⊢            | ├-         | -        | ⊢        | ⊢            | ⊢                                         | ⊢        | ┥┝         |
| <b> </b>     | 49<br>50                                     | ╀        | _        | $\vdash$                                         | -            | $\vdash$   | ⊢        | ├        | -            | <del>  -</del>                            | -        | ┥┝         |
|              | 30                                           | L.       | _        | Ц                                                |              |            | Ц.       | Ц        | Ц.,          | Ц.                                        | L        | J L        |

| Cla      | im       | Date                                             |                                                  |                                                  |          |                                                  |                                                  |              |                                                  |              |
|----------|----------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|----------|--------------------------------------------------|--------------------------------------------------|--------------|--------------------------------------------------|--------------|
|          | -        |                                                  |                                                  |                                                  |          |                                                  |                                                  |              |                                                  |              |
| Final    | Original |                                                  |                                                  |                                                  |          |                                                  |                                                  |              |                                                  |              |
|          | 51       |                                                  |                                                  |                                                  |          |                                                  |                                                  |              |                                                  |              |
|          | 52<br>53 |                                                  |                                                  |                                                  |          |                                                  |                                                  |              |                                                  |              |
|          | 53       |                                                  |                                                  |                                                  |          |                                                  |                                                  |              | _                                                |              |
|          | 54       |                                                  |                                                  |                                                  |          |                                                  |                                                  |              |                                                  |              |
|          | 55       |                                                  |                                                  |                                                  |          |                                                  |                                                  |              |                                                  |              |
|          | 56       |                                                  |                                                  |                                                  |          |                                                  |                                                  |              |                                                  |              |
|          | 57       |                                                  |                                                  |                                                  |          |                                                  |                                                  |              |                                                  |              |
|          | 58       |                                                  |                                                  |                                                  |          |                                                  |                                                  |              |                                                  |              |
|          | 59       |                                                  | L                                                |                                                  |          |                                                  |                                                  |              |                                                  |              |
|          | 60       |                                                  | L                                                |                                                  |          |                                                  |                                                  |              |                                                  |              |
|          | 61       |                                                  |                                                  |                                                  |          |                                                  |                                                  |              |                                                  |              |
|          | 62       |                                                  |                                                  |                                                  |          |                                                  |                                                  |              |                                                  |              |
| L        | 63       |                                                  | <u> </u>                                         |                                                  |          |                                                  |                                                  |              |                                                  |              |
|          | 64       | $\Box$                                           |                                                  |                                                  |          |                                                  |                                                  |              |                                                  |              |
|          | 65       |                                                  |                                                  |                                                  |          |                                                  |                                                  |              |                                                  |              |
|          | 66<br>67 |                                                  |                                                  |                                                  |          |                                                  |                                                  |              |                                                  |              |
|          | 67       |                                                  |                                                  |                                                  |          |                                                  |                                                  |              |                                                  |              |
|          | 68       |                                                  |                                                  |                                                  |          |                                                  |                                                  |              |                                                  |              |
|          | 69       |                                                  |                                                  |                                                  |          |                                                  |                                                  |              |                                                  |              |
|          | 70       |                                                  |                                                  |                                                  |          |                                                  |                                                  |              |                                                  |              |
|          | 71       |                                                  |                                                  |                                                  |          |                                                  |                                                  |              |                                                  |              |
|          | 72<br>73 |                                                  |                                                  |                                                  |          |                                                  |                                                  |              |                                                  |              |
|          | 73       |                                                  |                                                  |                                                  |          |                                                  |                                                  |              |                                                  |              |
|          | 74       |                                                  |                                                  |                                                  |          |                                                  |                                                  |              |                                                  |              |
|          | 75       |                                                  |                                                  |                                                  |          |                                                  |                                                  |              | L                                                | L.           |
|          | 76       | ļ                                                |                                                  |                                                  |          |                                                  | L.                                               |              | _                                                |              |
|          | 77       |                                                  |                                                  |                                                  |          |                                                  | <u> </u>                                         |              |                                                  | L            |
|          | 78       | L.                                               |                                                  |                                                  |          | _                                                |                                                  |              | _                                                |              |
|          | 79       |                                                  |                                                  | ļ                                                |          | _                                                |                                                  | _            | _                                                | L.           |
|          | 80       | _                                                |                                                  | _                                                |          | _                                                |                                                  | <u>L</u>     |                                                  | <u> </u>     |
|          | 81       |                                                  |                                                  | ļ                                                |          |                                                  |                                                  | _            | _                                                | <u> </u>     |
|          | 82<br>83 | ļ                                                |                                                  |                                                  |          | _                                                | L.                                               |              | <u> </u>                                         | <u> </u>     |
|          | 83       |                                                  |                                                  | <u> </u>                                         |          | <u> </u>                                         | <u> </u>                                         |              | <u> </u>                                         | <u> </u>     |
|          | 84       |                                                  | -                                                | <u> </u>                                         | _        | ├-                                               | -                                                |              | <del> </del>                                     | <u> </u>     |
|          | 85       | $\vdash$                                         | $\vdash$                                         | $\vdash$                                         | -        |                                                  | -                                                | -            |                                                  | <del> </del> |
| -        | 86       | $\vdash$                                         | $\vdash$                                         | $\vdash$                                         |          | <del> </del>                                     |                                                  | -            | <del> </del>                                     |              |
| -        | 87<br>88 | $\vdash$                                         | -                                                | -                                                | -        | $\vdash$                                         | $\vdash$                                         | <del> </del> | <del> </del>                                     | $\vdash$     |
|          | 89       | -                                                | -                                                | ├-                                               | $\vdash$ | ┝                                                | ⊢                                                |              | <del> </del>                                     | <u> </u>     |
|          | 90       |                                                  | -                                                | ┝                                                | _        | $\vdash$                                         |                                                  |              | ├                                                | ⊢            |
| -        | 91       |                                                  | -                                                | -                                                | ┝        | ┢                                                | ├                                                | $\vdash$     | $\vdash$                                         | ⊢            |
|          | 92       | <del> </del>                                     | ├-                                               | -                                                | -        | -                                                | -                                                | $\vdash$     | -                                                | -            |
|          | 93       | <del>                                     </del> | -                                                | <del>  -  </del>                                 | $\vdash$ |                                                  | <del>                                     </del> | <b>-</b>     |                                                  | $\vdash$     |
| <b>—</b> | 94       | <del>                                     </del> | <del>                                     </del> | $\vdash$                                         | $\vdash$ | <del>                                     </del> | <del>                                     </del> | <u> </u>     | $\vdash$                                         | Ι            |
|          | 95       | $\vdash$                                         | <del>                                     </del> | <del>                                     </del> |          | $\vdash$                                         | $\vdash$                                         | -            | <del>                                     </del> | ┢            |
| -        | 96       | <del>                                     </del> | <del>                                     </del> | $\vdash$                                         | $\vdash$ |                                                  | $\vdash$                                         | <u> </u>     | <u> </u>                                         | $\vdash$     |
|          | 97       |                                                  | 一                                                | $\vdash$                                         | $\vdash$ | $\vdash$                                         | $\vdash$                                         |              |                                                  |              |
|          | 98       | <u> </u>                                         | T                                                | Г                                                | $\vdash$ | 1                                                | T                                                | $\vdash$     | <del>                                     </del> | Г            |
|          | 99       | Ι-                                               | $\vdash$                                         | Т                                                | Т        |                                                  | Т                                                |              |                                                  | T            |
|          | 100      | Γ                                                | $I^{-}$                                          | J                                                | Г        | Г                                                |                                                  | Γ            |                                                  |              |

| Claim        |                                               | Date                                             |                                                  |                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                  |              |                                                  |              |                                                  |
|--------------|-----------------------------------------------|--------------------------------------------------|--------------------------------------------------|------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|--------------|--------------------------------------------------|--------------|--------------------------------------------------|
|              |                                               |                                                  |                                                  |                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                  |              |                                                  |              |                                                  |
| <u></u>      | Original                                      |                                                  |                                                  |                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                  |              |                                                  |              |                                                  |
| Final        | .g                                            |                                                  |                                                  |                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                  |              |                                                  |              | i                                                |
| -            | Ō                                             |                                                  |                                                  |                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                  |              |                                                  |              |                                                  |
| H            | 101                                           | -                                                |                                                  | _                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | -                                                | _            |                                                  | -            |                                                  |
|              | 101                                           |                                                  | _                                                | -                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                  | _            | -                                                | -            | $\vdash$                                         |
| -            | 101<br>102<br>103                             |                                                  |                                                  |                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                  |              |                                                  | _            |                                                  |
|              | 103                                           |                                                  |                                                  |                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                  |              |                                                  | _            |                                                  |
| <u> </u>     | 104                                           | _                                                | $\vdash$                                         | ⊢                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | _                                                | _            | _                                                | _            | _                                                |
|              | 105<br>106<br>107                             | _                                                | <u> </u>                                         | ├                                                                | _                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                  |              | _                                                | _            |                                                  |
|              | 100                                           | _                                                | -                                                | ├                                                                | <u> </u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                  |              | -                                                |              |                                                  |
|              | 107                                           | _                                                | _                                                | <u> </u>                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                  | _            |                                                  |              | _                                                |
|              | 108<br>109                                    | _                                                | ┡                                                | <u> </u>                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                  | _            |                                                  |              |                                                  |
|              | 109                                           |                                                  | <u> </u>                                         | <u> </u>                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                  |              | _                                                |              | Ш                                                |
|              | 110                                           | _                                                | <u> </u>                                         | _                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                  |              |                                                  | _            | _                                                |
| <u> </u>     | 111                                           |                                                  | <u> </u>                                         | <u> </u>                                                         | $\vdash$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                  |              | L                                                | <u> </u>     | <b> </b>                                         |
|              | 112                                           |                                                  | <u> </u>                                         |                                                                  | $oxed{oxed}$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | $oxed{oxed}$                                     |              | <u> </u>                                         |              |                                                  |
|              | 113                                           | ļ                                                | <u> </u>                                         | <u> </u>                                                         | <u> </u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                  | L_           | <u> </u>                                         | <u> </u>     | Ш                                                |
|              | 114                                           | <u> </u>                                         |                                                  | <u> </u>                                                         | $ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ld}}}}}}$ | _                                                | L            |                                                  | _            | Ш                                                |
|              | 113<br>114<br>115                             | _                                                | L                                                | _                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                  |              | <u> </u>                                         |              |                                                  |
|              | 116<br>117<br>118<br>119                      |                                                  |                                                  | $oxedsymbol{oxedsymbol{oxedsymbol{oxedsymbol{oxedsymbol{eta}}}}$ |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                  |              |                                                  | L            |                                                  |
|              | 117                                           |                                                  |                                                  |                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                  |              |                                                  |              | L                                                |
|              | 118                                           |                                                  |                                                  |                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                  |              |                                                  |              |                                                  |
|              | 119                                           |                                                  |                                                  |                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                  |              |                                                  |              |                                                  |
|              | 120<br>121<br>122<br>123<br>124<br>125<br>126 |                                                  |                                                  |                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                  |              |                                                  |              |                                                  |
|              | 121                                           | Г                                                |                                                  | Γ                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                  |              |                                                  |              |                                                  |
|              | 122                                           |                                                  | Г                                                | Π                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                  |              |                                                  |              |                                                  |
|              | 123                                           |                                                  |                                                  |                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                  |              |                                                  |              |                                                  |
|              | 124                                           |                                                  |                                                  |                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                  |              |                                                  |              |                                                  |
|              | 125                                           | $\vdash$                                         |                                                  |                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                  |              |                                                  |              |                                                  |
|              | 126                                           |                                                  |                                                  |                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                  |              | $\vdash$                                         |              |                                                  |
|              | 127                                           |                                                  |                                                  |                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                  |              |                                                  |              |                                                  |
| $\vdash$     | 127<br>128<br>129<br>130<br>131               |                                                  | _                                                | $\vdash$                                                         | _                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                  |              | -                                                |              |                                                  |
| <u> </u>     | 129                                           |                                                  |                                                  |                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                  |              |                                                  |              |                                                  |
|              | 130                                           |                                                  |                                                  |                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                  |              | _                                                | _            |                                                  |
| <del></del>  | 131                                           |                                                  | $\vdash$                                         | $\vdash$                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | $\vdash$                                         | $\vdash$     | ┪                                                | _            |                                                  |
|              | 132                                           |                                                  |                                                  |                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                  |              | $\vdash$                                         | _            | _                                                |
|              | 132<br>133                                    |                                                  | $\vdash$                                         | $\vdash$                                                         | _                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | -                                                |              | $\vdash$                                         |              | -                                                |
|              | 134                                           | _                                                | -                                                | -                                                                | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | _                                                | -            | -                                                |              |                                                  |
| <del> </del> | 135                                           | $\vdash$                                         | $\vdash$                                         | <del>                                     </del>                 | <del>                                     </del>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | $\vdash$                                         |              | ┪                                                |              | $\vdash$                                         |
|              | 135<br>136                                    | $\vdash$                                         | $\vdash$                                         | <del>                                     </del>                 | $\vdash$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 一                                                |              |                                                  | <del> </del> | $\vdash$                                         |
|              | 137                                           | <del>                                     </del> | <del>                                     </del> | $\vdash$                                                         | $\vdash$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <del>                                     </del> |              | <del>                                     </del> | $\vdash$     |                                                  |
|              | 137<br>138<br>139                             | $\vdash$                                         | $\vdash$                                         | $\vdash$                                                         | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | $\vdash$                                         | $\vdash$     | <del>                                     </del> | $\vdash$     | <del>                                     </del> |
|              | 130                                           | $\vdash$                                         |                                                  | <del>                                     </del>                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | $\vdash$                                         | $\vdash$     | -                                                | $\vdash$     | <del>                                     </del> |
| <del></del>  | 140                                           | -                                                | $\vdash$                                         | ╁                                                                | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                  | $\vdash$     | $\vdash$                                         | 1            |                                                  |
|              | 141                                           | $\vdash$                                         | <del> </del>                                     | ├                                                                | ├                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | ├─                                               |              | Η,                                               | $\vdash$     | $\vdash$                                         |
| <del></del>  | 142                                           | ├                                                | -                                                | 1-                                                               | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                  | $\vdash$     | <u> </u>                                         | $\vdash$     | $\vdash$                                         |
| -            | 143                                           |                                                  | $\vdash$                                         | $\vdash$                                                         | ╁                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | ├─                                               | <del> </del> | -                                                | $\vdash$     | $\vdash$                                         |
| <del></del>  | 144                                           |                                                  | ├                                                | ┼                                                                | ├                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                  | -            | $\vdash$                                         | $\vdash$     | ⊢                                                |
| <u> </u>     |                                               |                                                  | -                                                | ├-                                                               | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                  | $\vdash$     | -                                                |              |                                                  |
| <u> </u>     | 145                                           | ├                                                | -                                                | ├-                                                               | ⊢                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | -                                                | <del> </del> | -                                                | -            | $\vdash$                                         |
| <u> </u>     | 146                                           | <u> </u>                                         | <b>!</b>                                         |                                                                  | ⊢                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <u> </u>                                         | -            | <del> </del>                                     |              | <u> </u>                                         |
| <u> </u>     | 147                                           | <del> </del>                                     | <b>⊢</b>                                         | <del> </del>                                                     | <b>!</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <del> </del>                                     | <u> </u>     | <u> </u>                                         | _            | <u> </u>                                         |
|              | 148                                           | <u> </u>                                         | _                                                | <del>  _</del>                                                   | <u> </u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | ļ                                                | <u> </u>     | <u> </u>                                         | <u> </u>     | _                                                |
|              | 149                                           | _                                                | <u> </u>                                         | ↓_                                                               | _                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Щ                                                | <u> </u>     | L_                                               | <u> </u>     | <u> </u>                                         |
| L            | 150                                           | L                                                |                                                  |                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                  | <u> </u>     | <u> </u>                                         | <u> </u>     |                                                  |
|              |                                               |                                                  |                                                  |                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                  |              |                                                  |              |                                                  |